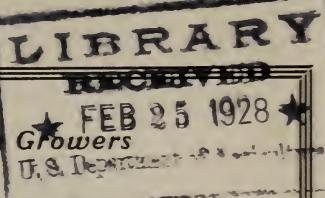


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Western Seeds for Western



D. A. WHITE & SONS

251-261 State St.
SALEM, OREGON

*Feedmen and Seedmen
Poultry and Bee Supplies*

37th Year



1928 Price List
Wholesale and Retail

Farm, Field and Garden Seeds, Poultry Feeds
Sprays, Fertilizers, Etc.

Tested Seeds

Quality Seeds

QUITE essential point about seeds is quality; the first is, of course, that they will grow but far more important than the growing is that they will produce a first class crop when planted and not an inferior crop that cannot be used or marketed. It would be better that the seed did not grow than to grow and produce a crop of no value.

Of course, all our seeds are tested for germination but the main point is that our seeds are grown by the best growers; growers who have a long reputation of producing the best seeds obtainable.

This is the point that you as a grower are interested in as it means the difference between success and failure in your crops.

The price of seeds means very little but the quality means all.

Our prices are based on Quality Seeds and you will find them as low as seeds of equal quality can be sold for, if not lower, but we make no effort to compete on price alone with some cheap mail order house but try to give you the best seeds obtainable.

With our many years of experience in the seed business, we believe that we are in a position to offer you seeds that will give you the best results.

All our other merchandise is handled on the same basis, quality always first.

We are always glad to advise you in your selections at any time.

Yours very truly,

D. A. WHITE & SONS

NOTICE

On account of the various market changes in prices, we quote subject to the following statement:

We guarantee that we will give full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, will notify you before shipment.

DISCLAIMER

D. A. White & Sons give no warranty, expressed or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants that they send out, and will not be in any way responsible for the crop.

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Trowbridge Grafting Wax

This is the highest grade of Grafting wax, we believe, sold on the market, regardless of price.

It is manufactured from the very best of materials and stands up longer than any wax we have ever tested.

Used by nearly all the leading nurserymen in various sections of the United States and by far the leading seller at retail.

Prices are as follows:

$\frac{1}{4}$ lb. bars, 15c., postpaid, 20c 1 lb. bars, 50c, postpaid, 60c.
 $\frac{1}{2}$ lb. bars, 30c, postpaid, 40c. Special prices on large lots.

Selected, Tested Vegetable Seed

ARTICHOKE

Large Globe. The undeveloped flower heads, when properly cooked, make a delicious dish. Pkt., 10c.

ASPARAGUS

Washington. This is the new variety that has proven by government tests, possibly the finest asparagus grown. It is early, very tender and grows to a good size. For market gardeners, the best variety ever grown. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1lb., \$3.00, postpaid.

Palmetto. One of the best varieties. Quality, first class. Pkt., 10c; oz., 15c; lb., \$1.00, postpaid.

BEANS

Any variety at the following prices if not otherwise priced. Postpaid, pkt., 20c; lb., 35c. Not Postpaid, pkt., 15c; lb., 30c.

DWARF OR BUSH, GREEN PODDED

Stringless Green Pod. The most popular variety on the market for home garden or the market. Fine for canning. Very prolific. Lb., 25c, not postpaid.

Refugee. An old standard variety. Fine for canning, home or market.

Red Valentine. A well-known variety that produces a large crop.

Giant Stringless Green Pod. This is a larger bean than the regular Stringless Bean and is becoming very popular and is worthy of being planted.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive. Long yellow pods that can be used for canning, home or market.

Golden Wax. One of the most popular garden varieties. Pods are long and a beautiful golden yellow, crisp and tender.

Improved Black Wax. The earliest of all wax beans. Excellent quality and very productive.

POLE BEANS, GREEN AND WAX PODDED

Kentucky Wonder. The most popular pole bean grown. A heavy producer and lasts until frost time. Pods are very long, fleshy and deeply creased. Green in color and stringless. Lb., 25c, not postpaid.

Kentucky Wonder Wax. Similar to the above, but long yellow pods.

White Crease Back. Long slender pods, crisp and tender. Fine for pickles, canning and table.

Scarlet Runner. The well-known, old fashioned climber. Bright, scarlet flowers. Oz., 5c; lb., 50c.

Castor Beans. Used for medicinal purposes and by some claimed to keep moles away from gardens. Very ornamental. Postpaid, oz., 10c; lb., 75c.

OREGON GIANT POLE BEAN

Of Superb Quality—Entirely Stringless

If you have not grown this Bean, by all means do so this season. It is a quick grower, quite early and produces the most wonderful long, plump, meaty pods that are tender, brittle and of delicious mild flavor when cooled. Pkt. 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c; postpaid.

FIELD BEANS

Navy Beans. Have some choice, local grown stock that ripen early and yield well. Postpaid, lb., 25c; not postpaid, lb., 15c. Quantity lots, write for prices.

LIMA BEANS

Burpee's Bush Lima. This is the favorite bush variety and is used both as a green shelled bean and a dry bean. Lb., postpaid, 45c; Not postpaid, 35c, lb.

Large Pole Lima. A very heavy yielding bean. Lb., postpaid, 45c; not postpaid, lb., 35c.

Oregon Lima. A variety that has been grown here for a number of years and is of extra good quality. Lb. postpaid, 35c. Not postpaid, 1b., 30c.

BEETS, TABLE VARIETIES

Any variety at the following prices: Postpaid, pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Improved Blood Turnip. A fine table variety. Turnip shaped with deep red flesh.

Detroit Dark Red. Globe shaped, bright, rich, red flesh. Fine for market or table.

Extra Early Egyptian. Very popular variety. Bright red with clear vermillion flesh.

Early Eclipse. Globe shaped. Flesh deep crimson, zoned with pink.

Early Wonder. This has proven a very popular variety and especially so with market gardeners. It is of the globe type and has a rich color.

SWISS CHARD

Lucullus. The finest variety. Cultivated for its stalks and leaves which are prepared and served like asparagus. Also, becoming very popular for greens for poultry as it is more productive than kale. Pkt., 10c; oz., 15c; lb., \$1.25, postpaid.

MANGEL WURZEL, SUGAR AND STOCK BEETS

Any variety at the following prices: Postpaid, oz., 10c; $\frac{1}{2}$ lb., 25c; 1b., 50c; 10 lbs., \$4.50

Mammoth Long Red. One of the finest varieties grown. Grows very large.

Golden Tankard. A heavy producer and good for heavy soils.

New Mangel Half Sugar. Becoming very popular as it is sweeter than a regular mangel. Makes fine feed.

Danish Sludstrop. Long, reddish yellow, grows well above the ground and easy to pull. Very productive and excellent quality.

Sugar Beets (True Stock.) Flesh, white and tender, fine for table, also excellent stock feed.

BIRD SEEDS AND SUPPLIES

Seeds are all recleaned and first class quality. Can supply Canary, Hemp, Millet, and Bird Rape.

Roller Bird Seed	Pkg. 25c; postpaid, 35c.
Canary.....	Lb. 20c; postpaid, 30c.
Hemp.....	Lb. 15c; postpaid, 25c.
Bird Rape.....	Lb. 15c; postpaid, 25c.
Millet.....	Lb. 15c; postpaid, 25c.
Sunflower	Lb. 15c; postpaid, 25c.
Bird Gravel.....	Pkg. 15c; postpaid, 25c.
Bird Manna.....	Pkg. 15c; postpaid, 20c.

Cuttle Bone, large pieces, Oz. 10c, postpaid.

BROCCOLI

Western Oregon is now producing the finest broccoli grown in America. A fine market has been secured throughout the East and it has proven a very profitable crop.

St. Valentine. This variety has proven to be the only variety to grow. Producing the finest heads, immense size and excellent quality. Pkt., 10c; oz., \$1.50.

BRUSSELS SPROUTS

Dwarf Improved. Very hardy and producing compact sprouts of large size and good quality. Pkt., 10c; oz., 25c.

CABBAGE

All at the uniform price of, Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1b., \$2.50, postpaid.

EARLY VARIETIES

Early Jersey Wakefield. An old favorite, sharp, conical head. Sown both fall and spring.

Charleston Wakefield. The best known early variety. Medium sized conical head. The favorite market variety.

Early Dwarf Flat Dutch. This is the favorite early, flat headed variety. Very productive.

MEDIUM AND LATE VARIETIES

Danish Ball Head. The finest late variety grown, either for market or home garden.
Firm, solid heads, medium sized, round and very solid.

Late Flat Dutch. The favorite large late variety.

Late Drumhead. Has no superior for family or market in the large varieties.

Sure Head. The surest cropper of the late varieties. Large solid head.

WONG BOK

Chinese Cabbage. This Chinese Cabbage is becoming more popular each year. While it has been cultivated in China for years, it is comparatively unknown in many markets. Wong Bok produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Delicious sliced as cold-slaw. Boiled or steamed it makes delightful greens, more sprouts. Don't plant too early, grow it as a fall vegetable. Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool, moist weather. Will last until freezing weather. Pkt., 10c; Oz., 40c.

CAULIFLOWER

Early Snowball. The most popular variety grown of the early sorts. Quality first class and good size. Price, postpaid, pkt., 15c; oz., \$2.00

Large Algiers. A valuable late variety, sure to head, of the best quality. Pkt., 10c; oz., \$1.25.

COLLARDS

Georgia. This variety is the old time favorite. Is very hardy. Pkt., 10c; oz., 15c.

CARROTS

White's Special Model Carrot, Chantenay type. This is the finest of all the carrots for Market Gardeners or home use. We offer a special stock that has taken many years to develop and we believe, the finest table carrot on the market at the present time. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.25.

All at the uniform price of: Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 85c, postpaid. Except as noted.

Chantenay. The finest variety for the market or home garden. Smooth and tender. Deep orange color.

Danvers Half Long. The smooth handsome roots are orange color and medium length. A heavy cropper and make fine feed.

Ox Heart. A thick carrot, five or six inches long and very blunt at the lower end. Orange color.

Long Orange. Grows to a large size. Best adapted to sandy or loose soil. A favorite for stock feeding.

Large White Belgian. Grown for stock feeding. Very productive. Easily pulled.

Large Yellow Belgian. One of the best carrots for stock feeding. Grows large and very productive.

Coreless. The finest early table variety grown. Handsome, meltingly tender and sweet. It is a half-long cylindrical carrot, blunt pointed, with a small tap root and small top. They run very uniform in shape and grow just the right size for table use. The flesh is of fine texture, entirely devoid of stringiness, coarseness and woody heart; color orange-scarlet, very attractive, delicious and sweet flavored when cooked. Pkt., 10c; oz., 20c; 4 oz., 35c; lb., \$1.25

CELERY

White Plume. The leading white celery. A handsome, crisp sort, of very easy cultivation. Pkt., 10c; oz., 30c; postpaid.

Golden Self Blanching. The best celery for early market or home garden of the yellow meated kinds. Easily blanched. Pkt., 10c; oz. 75c; postpaid.

CRESS

Curled or Pepper Grass. Used as a salad dressing. Pkt. 10c; oz. 15c, postpaid.

Water Cress. Thrives only when the roots or stems are submerged in water. Leaves used as a salad Pkt. 10c; oz. 50c.

CORN==Sweet or Table Varieties

Uniform price of: pkt. 15c; lb. 30c; 10 lbs. \$2.50, postpaid. Pkt. 15c; lb. 25c; 10 lbs. \$2.25, not postpaid.

Golden Bantam. One of the finest sweet corns grown. Very early, tender and extra sweet. Golden in color.

Early Minnesota. The favorite extra white variety. Fine for canning.

Howling Mob. A favorite of the market gardens. Extra early white corn of finest quality.

Early Evergreen. Follows the early varieties and is an excellent corn.

Golden West or Improved Golden Bantam. This is larger than the regular Golden Bantam while retaining all the sweetness and value of the regular strain. Our stock is grown especially for us and is extra fine.

Stowells Evergreen. This is the most popular and best main crop sweet corn grown. Excellent quality and lasts until killed by frost. Very productive. Makes fine fodder and ensilage.

Portland Market. An extra early variety with a good sized ear. A great favorite for the market and home use.

Golden Giant. This is new yellow meated Sweet Corn and is the second year that it has been offered on the market. It is a cross between Golden Bantam and Evergreen and retains the sweetness of the Bantum with the Evergreen qualities. Produces a large ear of extra sweet corn.

FIELD CORN

EXTRA, FANCY, SELECTED STOCK

We make a specialty of Field corn and offer you the finest varieties for this coast. Uniform price of: lb. 20c; 10 lbs. \$1.25; 25 lbs. \$2.75, postpaid. Not postpaid, lb. 10c; 10 lbs. 85c; 100 lbs., Market price.

Pride of Oregon. This is the best quality of Oregon grown corn and well selected. Ears are long, well filled with deep yellow kernels. Makes a fine silo corn, as it grows to a good size as well as being early.

Minnesota No. 13, Yellow Dent. This variety is a favorite of many dairymen as an ensilage corn. A heavy producer.

Leaming, Yellow Dent. One of the most popular ensilage corns as it is very productive.

Pride of the North, Yellow Dent. Grown here for many years as a silo corn and is a heavy producer.

White Pearl. A pure white corn. Used for silo.

Golden Glow. This is the corn that is winning all the prizes at the various corn shows and is an extra good variety for this valley. Our seed is Western grown.

POP CORN

White Rice. The best variety for this climate. Ripens early and is a good producer. Postpaid, lb. 25; not postpaid, 15c.

White Hulless. An extra fine quality that yields very heavy and makes an extra fine popping corn. Lb. 20c, postpaid, 30c.

CUCUMBERS

Uniform price of, pkt, 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

Early Short Green or Early Frame. An excellent small variety. Fine for pickles.

Chicago Pickling. The favorite pickling variety. Very prolific.

Improved White Spine. A large, long variety that is fine for table or pickles.

Improved Long Green. The old family favorite. Always good for all purposes.

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor all its own. Pkt. 10c; oz. 20c.

White's Special. This is the finest market and pickling variety we have ever seen. Uniform shape and a dark green color and heavy producer. Pkt. 10c; oz. 15c; lb. \$1.50.

ENDIVES

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August, for a succession of crops; tie the leaves closely together to bleach them.

Green Curled. A standard sort for fall and winter. Pkt. 10c; oz. 15c.

White Curled. A beautiful variety with curled, mossy leaves for early use. Pkt. 10c; oz. 15c.

EGG PLANT

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. Pkt. 10c; oz. 70c.

KALE

Dwarfed Green Curled. Leaves curled and a bright green. Pkt. 10c; oz. 15c.

Tall Scotch—Green Curled. Grows about two feet high, leaves dark green, curled and wrinkled; very hardy. Pkt. 10c; oz. 20c.

Thousand Headed. Grows very large. Used mostly for stock feeding. Pkt. 10c; lb. 75c; postpaid.

KOHL RABI

Early White. Best table variety. Pkt. 10c; oz. 25c.

LEEK

Large Rouen. The favorite variety. Pkt. 10c.

LETTUCE

New York or Wonderful. The finest head lettuce grown. The immense heads are solid, heavy, beautifully bleached to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. Used by all market gardeners. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

The following varieties at the uniform price of pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.

Hanson. An old standard variety that produces a fine head. White meated, crisp and tender.

Early Prizehead. A brown tinged leaved head lettuce that is a great favorite.

Early Curled Simpson. The leading curly variety, extra crisp and tender.

May King. The leading butter lettuce. Rich and tender.

Brown Dutch. The leading brown variety. Forms a large, solid head, sweet, tender and good flavor.

Grand Rapids. This is used for forcing mostly, but some like it as it is very early, for outdoor planting.

Big Boston. A very large, loose headed variety, often called a butter lettuce on account of the color.

Chicken Lettuce. Just the thing for Poultry Men. This Lettuce yields an immense amount of chicken or rabbit feed. It does not form a head but sends up stalks three or four feet high and when cut it immediately starts to grow again. The leaves can be pulled off the stem like kale. Loaded with leaves. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

MUSTARD, FOR GREENS

The leaves of these varieties of Mustard, excepting **WHITE ENGLISH**, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

Chinese. A very hardy, broad-leaved variety. Leaves are thick and deeply savoyed. Pkt. 10c; lb. \$1.00.

Giant Southern Curled. Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended. Pkt. 10c; lb. 75c.

White English. Seed yellow and pungent, used for grinding and for flavoring pickles. Oz. 10c; lb. 60c.

MUSK MELON

Price, postpaid, pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Large Yellow Cantaloupe. The flesh is light, yellowish green, very sweet, crisp and delicious.

Burrel Gem. The favorite market variety. Light green flesh which is very deep and delicious.

Honey Dew. This is the new melon that has proven a great success. The fruit is large, green fleshed and delicious flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

Rocky Ford or Netted Gem. The fruit is oval, slightly ribbed, densely covered with coarse netting. Green fleshed. Fine for the market.

Green Nutmeg. An extra early variety that is fine for the home garden. Flesh green, fine and sweet.

Casaba. An excellent melon with very thick flesh.

WATER MELON

Prices, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c.

Early Fordhook. The best early melon for this valley for home use.

Sweet Heart. An excellent melon and a good shipper for the market.

Ice Cream. An old favorite that every one likes.

Tom Watson. A long melon that is fine for home garden or market.

Kleekly's Sweet. One of the favorites melons for this valley.

Black-Seeded Ice Cream Watermelon.—A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought-resistant, ripens early. Most luscious and handsome. If fond of materwelons, try this one. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

"King and Queen"—**Winter Watermelon**—average weight, 25 pounds. Spherical in shape, ivory shell, pink center, seeds black. A most luscious, valuable winter melon. Very hardy, a good drought register. Ripens every melon in less than 120 days, and does not change its condition for ninety days if not bruised. Shell is very hard and melon ripens to within one-eighth of an inch of it. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

CITRON

Used for preserves. Pkt. 10c; oz. 20c.

ONIONS

Write for Special Prices on large orders.

Oregon Yellow Danvers. A standard market variety developed in Oregon. A half globe shape with small neck. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb 60c, postpaid. Lb. \$1.50.

Yellow Globe Danvers. A handsome globe shaped variety that commands the top price on the market. Now the principal onion grown here for the market. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 60c; lb. \$1.50, postpaid.

Whfte Globe. A pure white, globe shaped variety. Flesh hard with wax like pearl flesh. Used a great deal as a green onion for the market by gardeners. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

White Portugal or Silverskin. Skin and flesh, pure white, mild and flat shape. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

ONION SETS

Bottom Onion Sets. Small onions grown from seed. Used mostly for green onions, but if left stand usually make large onions. Postpaid, lb. 20c.

Top Sets or Multipliers. So called winter onions as they grow all winter and are ready to use very early in the spring. Lb. 30c, postpaid. Write for prices on large lots.

PARSLEY

Double Curled. Very hardy and easy to grow. Used for flavoring and garnishing.
Pkt. 10c; oz. 15c.

Hamburg or Turnip Rooted. A plain leafed variety forming a long thick edible root
Pkt. 10c.

PARSNIP

Hollow Crown. Roots white, very tender, with smooth skin. Pkt. 5c; oz. 15c; lb.
80c, postpaid.

GARDEN PEAS

Any variety at the following prices: Postpaid, ptk. 15c; lb. 40c; 10 lbs. \$2.75. Not
postpaid, ptk. 15c; lb. 30c; 4 lbs. \$1.00.

Blue Bantam. One of the fine early varieties on the market. Grows about 15 inches
high, very productive, large podded and sweet.

American Wonder. The most popular early variety grown. A great favorite for home
gardens.

Premium or Little Gem. An old standby of excellent quality.

Alaska. Extra early and hardy. May be planted in the fall in this valley and will pro-
duce a very large crop early in the spring. Fine for early market.

Gradus. Without doubt the most popular pea for the early market or home garden.
Pods are extra large and well filled with large sweet peas.

Notts Excelsior. A fine early dwarf pea. Pods are well filled with sweet tender peas.

Dwarf Telephone. The most popular second early variety now on the market and the
finest, sweetest pea grown.

Tall Telephone. The best mid season variety and a great favorite. Grown by all the
market gardeners and cannot be excelled for home use.

Stratagem. One of the best of the large podded sorts. The pods are of immense size
and well filled with large sweet peas.

Yorkshire Hero. A favorite variety for the second crop. Peas are of excellent quality.
sweet and tender. Grows about 30 inches high.

Laxtonian. This is the finest dwarf early pea offered today. The vines grow eighteen
to twenty inches high and produce an enormous crop of dark green pods as large as
Gradus, maturing a few days ahead of that variety.

Duke's Delight. A very dwarf, extra early, delicious pea of great merit. The strong,
healthy vines grow about 12 to 34 inches in height. Very productive, sweet and ex-
cellent flavor.

Quite Content. This is the largest podded pea in existence. The vine attains a height
of five to six feet. The pods are truly gigantic in size, measuring from five to six inches
in length.

PUMPKIN

Any variety at the following prices except as noted: Pkt. 10c; oz. 15c; lb. \$1.00,
postpaid.

Winter Luxury. The most popular pie pumpkin. Medium size, color golden russet,
finely netted flesh.

Sweet or Sugar. A fine grained variety that makes dandy pies. Skin, orange; flesh,
deep yellow. Very sweet.

Golden Cushaw. One of the finest cooking varieties.

King of Mammoths. Grows to an enormous size. Very productive. Used for feed.
Postpaid, oz. 15c; lb. 85c.

Connecticut Field. Popular for field culture and excellent for stock. Pkt. 5c; oz. 15c;
lb. 85c, postpaid.

PEPPER

Pkt. 10c; oz. 50c, postpaid.

Ruby King. Very large, sweet and mild. Bright scarlet.

Large Bell. Large, mild and thick fleshed. One of the best for stuffed pickles.

Chili. Pods are small and pointed. A hot one.

Pimento. A sweet pepper with a wonderful mild flavor.

Cayenne. Medium long, narrow, pointed, red pods. Very hot.

RADISH

Any variety at the following prices: Posptaid, pkt. 5c; oz. 10c. $\frac{1}{4}$ lb. 30c.

Early Scarlet Globe. A popular variety owing to its quick growth and fine scarlet color.

Early Scarlet Turnip or Rosy Gem. Used more than any other early variety. Color bright rose carmine with white tip. Globe shaped.

White Icicle. The most popular radish on the market. A handsome, white variety, growing about five inches long. Quick growing, crisp and mild flavor.

Long Scarlet, Short Top. A dandy radish. Color, bright carmine; flesh firm, about six inches long. Fine for market.

Brightest Long Scarlet. A very showy, long scarlet radish with white tip.

French Breakfast. A popular variety for market or forcing; it is about two inches long, stumprooted, bright rose color with white tip.

WINTER RADISHES

China Rose Winter. Bright rose color; flesh white and firm.

Mammoth White China. Roots are from ten to twelve inches long, solid, crisp and tender.

Long Black Spanish. Flesh, white; one of the latest and hardest.

RHUBARB

Victoria or Mammoth. Very large, finest cooking variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.

SUNFLOWER

Mammoth Russian. The favorite variety. Grown for ensilage, feed, etc. Lb. 15c; postpaid, 25c.

SQUASH

Table Queen. A miniature squash growing about 7 inches long and 4 to 5 inches thick. The color is deep green contrasted with orange and red where it rests on the ground. Very sweet and fine grained and suited for home or market. Very easy to grow. It is a splendid keeper for Winter use. Pkt. 10c; oz. 20c; lb. \$2.00.

Mammoth Summer Crookneck. Flesh tender and good quality. Pkt. 10c; oz. 15c; lb. \$1.25.

Mammoth White Bush Scallop. The best summer sort for the market. Pkt. 10c; oz. 15c; lb. \$1.25.

Hubbard. The best seller and most popular squash; keeps through the winter. Pkt. 10c; oz. 15c; lb. \$1.25.

Golden Hubbard. The same size, shape and quality as the well known Hubbard squash, except that it is a bright red or golden color, and somewhat earlier; it is also a long keeper, vigorous and wonderfully productive; in flavor it has no equal. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.

Banana Squash. This is a long squash that cooks up very fine with a wonderful flavor. Does extra well in this climate. Pkt. 10c; oz. 15c; lb. \$1.50.

Boston Marrow. Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00.

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight smooth roots. Pkt. 10c; oz. 20c.

SPINACH

Any variety at the following prices: Pkt. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c, postpaid.

Savoy. Leaves large, round and thick. One of the earliest sorts.

Prickly Winter. Hardest variety. Must be sown in the fall. Leaves long, pointed and thick.

Long Standing. An improved variety for general use. Remains in edible condition over long period, as it is slow to go to seed.

Improved Thick Leaved. A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color, and quality when cooked. Best for market gardeners

King of Denmark. This variety will, in time, replace all other varieties for spring planting. It is very slow to go to seed, continuing to grow and hold its fine qualities long after other varieties are gone. Early and excellent quality.

TOMATOES

Bonny Best. Highly prized by many Oregon growers. Tomatoes large, smooth and of a rich scarlet red, the color that sells quickly. Fruit thick with a small core, a profitable tomato for any purpose. Slices exceptionally well. Flesh and flavor excellent. Nearly globe shaped, slightly flattened at stem. Pkt. 10c; oz. 35c.

The New Burbank. This great tomato has proven a wonderful success. The tomato is large, smooth bright red, and solid meat and a wonderful producer. Pkt. 10c.

Improved Stone. A main crop tomato of extra fine quality and beautiful deep red color. Pkt. 10c; oz. 35c.

Tree Tomato. Dwarf Champion. A very heavy yielding tomato of excellent quality. Pkt. 10c; oz. 35c.

Chalks' Jewel. An early variety that is well adapted for this climate as it is extra early and bears throughout the season. Pkt. 10c; oz. 35c.

Sparks' Earliana. Large, smooth and early; beautiful red color. Pkt. 10c; oz. 30c.

Yellow Pear. Fruit small and globe shaped. Fine for preserves. Pkt. 10c.

Husk or Ground Cherry. Used for preserves. Pkt. 10c.

John Baer. An early, bright scarlet tomato that does exceedingly well here. Large, smooth and fine color. Thick meated. Pkt. 10c; oz. 35c.

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. Pkt. 10c.

TURNIPS

Any variety at the following prices: Postpaid, pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

White Egg. Is excellent flavor, clear white, sweet and mild.

Early Purple Top, Strap Leaved. Flat in shape. The leading white variety; one of the best for all purposes.

Purple Top, White Globe. The favorite variety. Excellent quality.

Yellow Aberdeen. Round, medium size, light yellow.

Cow Corn. Grows half out of the ground and is a rapid grower. Immense yielder.

White's Special Market White Globe Turnip—with purple top. This is a special strain that has been developed and is the finest market variety grown. Oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 75c.

White Milan. A small white variety, very tender and sweet. A dandy table variety. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

RUTA BAGA

Same price as Turnips.

American Purple Top. Grows to a large size and produces an immense crop.

Sweet Russian. Most excellent for table and stock. Sweet and rich.

VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine plants during the season. We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

During the season, we handle Cabbage, Tomato, Cauliflower, Kale, Brocoli, Pepper, and various other garden plants and would be glad to quote prices at any time.

ASPARAGUS ROOTS. One year old plants, good and strong. Doz. 25c; postpaid, doz. 35c; 100 for \$1.25, by freight or express collect.

SEED POTATOES

Write for prices

Burbanks. One of the best varieties grown in the Northwest and a favorite market variety.

Netted Gem. Becoming a very popular variety and is a fine potato in every way. A heavy yielder.

Earliest of All. Without doubt, the earliest variety on the market. White in color and cooks fine.

Early Rose. A favorite variety and well known for many years.

SPENCER SWEET PEAS

We offer you a wonderful selection of the finest Spencer Sweet Peas in the various colors and shades. Our Sweet Peas are grown especially for us by the best growers and are the best to be obtained.

All of the following Special Varieties at 10c per pkt; 35c per oz, postpaid.

Giant Attraction. A beautiful Fawn pink with cream back ground.

Doreen. A wonderful bright Carmine.

Miss California. A dandy shade of Orange-Salmon on cream pink.

Bridesmaid. A rich Salmon-pink on creamy back ground.

Crimson King. A deep blood red. Very attractive.

Camp Fire. The finest Scarlet grown, sun proof.

The Sultan. Glossy, black maroon.

Glorisa. A brilliant Scarlet-Orange. A distinct shade that is a beauty.

Youth. White with margin of pink. Picoote. Very attractive.

Giant Lavendar. The largest lavender grown. Fine for cut flowers.

White Spencer. A pure white flower of enormous size, beautifully fluted and crinkled. Of splendid substance.

King Scarlet Spencer. Bright crimson scarlet, largest size, wavy standards. Very long stems, the finest bright scarlet.

Mrs. Hugh Dickinson. A beautiful combination of Buff, Apricot and Rose.

Helen Lewis. A beautiful orange pink. One of the finest Spencers. Bright orange standard.

Margaret Atlee. The Spencer Supreme. Magaret Atlee is a rose-salmon pink, on a creamy rich buff ground, soft color and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy, and inclined to double under favorable conditions.

Countess Spencer. Pink. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused with soft shell pink, deeper at the outer edges.

Primrose Spencer. Color, true primrose. Very vigorous, free flowering, excels in beauty of form, length of stem and keeping quality.

Decorator. This great sweet pea is a wonderful shade of old rose and orange combination.

Florence Morse. A beautiful white and blush pink.

R. F. Felton. An extra large lavender and very rich color. Said to be the finest of all the lavenders.

Maroon. The deepest of all the red or scarlet varieties.

Royal Purple. The nearest true purple sweet pea grown. Often called Elk's Purple. Very rich color.

Wedgewood. A beautiful silvery blue sweet pea.

Illuminator. Possibly the most popular and finest sweet pea grown. A wonderful Salmon orange color.

Dobbie's Cream. The truest cream colored sweet pea on the market. Grows extra large.

Jean Ireland. A beautiful creamy buff, edged with carmine. Very novel effect.

Lavender Orchid. A beautiful new shade of orchid. Mrs. Tom Jones. A new Blue of extra fine quality.

Fiery Cros. One of the finest of the Scarlet shades.

Our Superb Mixture. True Spencers only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. Pkt. 10c; oz. 25c; lb. \$2.50.

NASTURTIUM

Fancy Climbing Varieties. A fine selection of the different climbing varieties in assorted colors all mixed together. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

Fancy Dwarf Nasturtiums. A fine mixture of choice varieties and colors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

FLOWER SEEDS

We carry a fine selection of all the leading varieties of flower seeds. Just order whatever variety you want and we will send it promptly.

All the varieties with a few exceptions are 10c per pkg., postpaid. On account of lack of space in catalogue we do not find it profitable to catalogue a flower list but we carry a very large stock.

LAWN GRASSES

FANCY LAWN GRASS

In our Fancy Mixed Lawn Grass Seed we have the proper proportions of the various grasses that go to make a beautiful lawn.

The seeds that go into this mixture are all tested and recleaned in first-class shape and are the best quality on the market. Price, per lb. 50c, postpaid, 60c. lb.

SHADY NOOK LAWN GRASS

This is a mixture that has been selected to grow in shady places and gives the best of results. All seeds are of the best quality that are used in this mixture and make a nice velvety lawn. Per lb. 50c; postpaid, 60c lb.

CREEPING BENT GRASS

We have some seed of this great lawn grass that is imported from Europe. Makes a wonderful lawn. Price, per lb. \$1.00; postpaid, \$1.10.

MEADOW FESCUE

This makes a very nice lawn and is very hardy and makes a good sod. Our seed is extra good quality. Lb. 25c; 10 lbs. \$2.25. Postage extra.

CHEWINGS FESCUE

This makes a wonderful sod and is used in shady places and under trees, etc. Makes a very fine lawn either alone or with other grasses. Lb. 50c; postpaid, 60c.

FANCY WHITE CLOVER

We handle only the finest white clover on the market. We have a very large trade on this seed and import direct from Europe, where the finest seed is grown. Lb. 60c; postpaid, 65c. Special prices on large lots.

KENTUCKY BLUE GRASS

Still the great favorite for lawns. More of this grass is used for lawns than any other grass on the market. Lb. 40c. Postpaid, 45c.

FANCY RED TOP

Used a great deal for lawns, especially in mixtures. Lb. 40c. Postpaid, 50c.

OREGON BENT GRASS

Sometimes called Seaside Bent, Boos County Bent, etc. We have some very fancy, pure seed. Lb. \$1.25.

COLONIAL BENT OR RHODE ISLAND BENT

Used very extensively for lawns and on golf courses. Lb. \$1.50.

FIELD SEEDS

The following prices are the market prices of today and are subject to market changes. When ready to buy, write us for prices, stating quantity wanted and we will quote you the market price at that time. Or, send in your order based on the following prices and we will guarantee that we will give you full value for money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipping.

We make a specialty of High Grade, Recleaned, Tested Seeds and Grains and we believe that the quality we are offering is the best that can be obtained on the market.

If wanted by parcel post, add regular parcel post rates, according to zone distance from Salem.

Quantity prices are as follows: 1 to 9 lbs. at 1b. price; 10 to 24 lbs. as 10 lb. price; 25 to 49 lbs. at 25 lb. price; 50 lbs. or more at 100 lb. price.

RED CLOVER

Extra Fancy Quality

We are in a position to offer you the finest Western grown Red Clover that is obtainable on the market, located in the heart of the growing section, we select the finest lots for our retail trade.

Red clover is the standard clover for all purposes. Hardy and thrives well on nearly all land. Makes superior hay or pasture. Price, postpaid, 1b. 45c; Fancy, not postpaid, 1b. 35c; 25 lb. lots at 33c per lb.; 50 lbs. or more at 32c. per lb.

MAMMOTH RED CLOVER

This is an extra large growing clover, very similar to the regular red clover only growing larger. Lb. postpaid, 45c; not postpaid, 1b. 35c; 25 lb. lots at 33c. per lb.; 50 lb. lots at 32c. per lb.

ALSIKE CLOVER

Fancy Quality

Excellent for hay and pasture. Grows on land too wet for other clovers. Price, per lb. postpaid, 45c; not postpaid, 1b. 35c; 25 lb. lots at 32c per lb; 50 lb. lots or more at 30c per lb. Choice quality, 25 lb. lots at 30c per lb; 50 lb. lots at 28c per lb.

SWEET CLOVER, White Blossom

This clover is being tested on various lands of the Northwest and has proven in most tests, very successful. It makes a great pasture and is the best soil builder of all the clovers. Makes a wonderful bee feed. Price, postpaid, 1b. 30c; not postpaid, 1b. 25c; 25. lb lots. a 20c per lb; 50 lb. lots at 18c per lb.

ALFALFA

Our domestic alfalfa is acclimated and is the highest grade of Northwest Seed. Price, lb. postpaid, 35c; not postpaid, 1b. 25c; 10 lbs, \$2.50; 25 lbs. 24c; 100 lbs. \$22.50.

GRIMM ALFALFA

Grimm alfalfa is the hardiest alfalfa known. It seems to thrive and make a good crop where other varieties are a failure. Oregon Experiment Station recommend it very highly for the Northwest.

Our seed is the safest to buy as you know that you are getting pure Grimm Alfalfa as on account of the difference in price, many mixed lots have been sold as Grimm which possibly only contained a trace of Grimm. Price, per lb., postpaid, 50c; not postpaid, 1b. 40c; 50 lb. lots or more at 38c per lb.

CERTIFIED GRIMM ALFALFA

We usually carry in stock Certified seed from Idaho and Montana. This seed is field inspected, by the State Seed Inspectors and is the finest seed obtainable. Price, per lb. postpaid, 50c. Not postpaid, 1b. 45c; 50 lbs., or more at 42c. per lb.

CRIMSON CLOVER

Highly recommended for pasture and fertilizing purposes. A thrifty annual growing from 20 to 30 inches high. Price, per lb. postpaid, 20c. Write for quantity prices.

FOR THE LAND'S SAKE

USE

McQueen's Inoculator

The Modern Legume Inoculator

MODERN farmers demand modern methods of farming, and agree that all legume seed should be inoculated. McQueen's Inoculator is the modern legume inoculator—made for farmers—by farmers—to make farming pay. It is field bred and farm grown and is able to give fine results under your field conditions.

McQueen's Inoculator is the only nitrogen fixing bacteria that is

ABSOLUTELY GUARANTEED

to give satisfactory results or your money back. This is for your protection. You are the judge of results.

Inoculate your Alfalfa, Sweet Clover, Soy Beans, Vetch, Peas, Beans and Clovers of all kinds with McQueen's guaranteed Inoculator that hastens maturity, increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Simple directions for mixing Inoculator with your seed are printed on each and every package of McQueen's. Only a few minutes of your time is required to inoculate your legume seed. Many Master Farmers use McQueen's. Tremendous sales on McQueen's Inoculator enables us to offer this quality merchandise at the following

REDUCED PRICES

FOR CLOVER AND ALFALFA

½ bushel size	Inoculates	30 lbs. seed	\$.50
1 bushel size	Inoculates	60 lbs. seed	1.00
3-1 bushel size	Inoculates	180 lbs. seed	2.50
6-1 bushel size	Inoculates	360 lbs. seed	4.50

FOR SOY BEANS, COW PEAS, VETCH AND OTHER PEAS AND BEANS

1 bushel size	Inoculates	60 lbs. seed	\$.50
2 bushel size	Inoculates	120 lbs. seed	1.00
3-2 bushel size	Inoculates	360 lbs. seed	2.50
6-2 bushel size	Inoculates	720 lbs. seed	4.50

GARDEN SIZE

For Garden Peas, Beans, Sweet Peas and Lima Beans .20

Be sure to include McQueen's Inoculator with all your Legumes Seed orders.

Always state kind of seed you wish to inoculate.

Write for circular. Prices as follows: Postpaid and insured, lb. \$1.50; 25 lb. lots at \$1.35 per lb; 50 lbs or more at \$1.25 per lb.

Mesquite. This grass is very popular for sowing on rocky and hilly soil, on wet lands and as a pasture grass on logged-off and burnt over lands. Comes very early in both spring and fall and produces very heavy. Fancy seed. Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. lots at 22c per lb; 50 lbs. or more at 20c per lb.

Millet. On some lands that are sandy and warm, millet has been a productive crop. Used mostly for hay and poultry feeding when threshed. Write for prices and varieties.

Timothy. Used very extensively for hay and pasture. Lb. 15c; postpaid, 25c; 10 lbs. \$1.25, postpaid, \$1.50; 50 lbs. or more at 10c per lb., not postpaid.

English Rye Grass. Possibly the most popular grass grown in Western Oregon and Washington. Thrives well on all kinds of lands; used mostly for pasture but makes a good hay. Lb., postpaid, 25c; not postpaid, lb. 15c; 25 lbs. or more at 10c per lb. Write for quantity prices.

Italian Rye Grass. Similar to the above variety but more adapted to wet lands. Imported Seed. Lb. postpaid 25c; not postpaid, lb. 15c; 25 lb. lots or more at 15c per lb. Write for quantity prices.

DWARF ESSEX RAPE

The English Broad Leaved Rape, or Holland Rape makes far more feed than the common rape. It grows larger and is a faster grower.

Those who have planted it the last few years will not accept any other varieties. We import our stock direct from Holland so that you are sure of getting genuine seed. Makes a wonderful pasture in this valley. Price, postpaid, 25c per lb. Not postpaid, lb., 15c; 10 lbs., \$1.25; 50 lbs., or more 11c per lb.

GRASS SEEDS

REID'S CANARY GRASS

This is that wonderful grass that has been grown in Coos County and is the greatest producer for wet land we have seen for pasture. Price, per lb. \$1.50, postpaid.

HARDING GRASS

This is the wonderful new grass that was introduced from Africa, by J. A. Stanbaugh, about six years ago. It has proven a wonderful success. We have never found any grass that produces the pasture and feed of this grass. Sow five pound per acre broadcast without nurse crop of any kind on cultivated land, as soon as land can be well worked in the spring. Try this great grass.

Western Rye Grass. This seed is being grown in this valley both as a seed crop and for pasture. The demand for the seed has been very large and it is shipped to all parts of the United States and some exported. Lb. postpaid, 20c. Not postpaid, 10c; 25 lbs lots at 9c per lb.; 50 lbs. or more at 8c per lb.

Orchard Grass. Possibly the most valuable of all the grasses for all kinds of land, especially hills. Makes a great pasture. Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. lots or more at 22c per lb. Write for quantity prices.

Red Top. Fancy Hulled Seed. Used for pastures, especially valuable for wet land. Also makes a very good lawn. Lb. postpaid, 40c; not postpaid, lb. 30c; 25 lb. or more at 28c per lb.

Meadow Fescue. A hardy perennial grass. Used for pasture and also for lawns. Lb. postpaid, 35c; not postpaid, lb. 25c; 25 lb. lots at 22c per lb.

Sheep Fescue. Does well on dry, poor, shallow or sandy soils. Lb. postpaid, 45c. Not postpaid, lb. 35c; 25 lb lots at 30c per lb

Tall Meadow Oat Grass. This grass is proving itself as a great pasture grass both in the valley and along the coast. The demand has increased many times within the last few years as it has proven that it will stand heavy pasturing. Lb. postpaid, 40c. Not postpaid, lb. 30c; 25 lb. lots at 28c lb.; 50 lbs. or more at 25c per lb.

PASTURE MIXTURE

This is a mixture of Rye Grasses, Timothy, Mesquite, Clovers, etc., for pasture purposes. Good on burned and logged-off lands. Lb. postpaid, 25c; not postpaid, 15c; 100 lbs. \$12.50.

Low Land Pasture Mixture. A special mixture suitable for low and wet lands. Lb. postpaid, 30c; not postpaid, 20c; 100 lbs. \$17.50.

High Land Pasture Mixture. A mixture adapted for the hills and higher lands of western Oregon. Lb. postpaid, 30c; not postpaid, 20c; 100 lbs. \$17.50.

Burn Mixture. This is a cheaper mixture for rough land and is only recommended for land not suitable for cultivation but still can be used for pasture. \$8.00 per 100 lbs.

SEED GRAINS

Write for prices when in the market.

Recleaned Marquis Spring Wheat. The heaviest yielding spring wheat grown in the Northwest. Heads are beardless, chaff smooth and kernel dark amber in color. Very heavy and grades as hard wheat.

Kinney Wheat. An old standard wheat that has been grown for years here and always produces a good crop. May be sown either fall or spring.

White Winter Wheat. This is the favorite variety for this section of the valley especially for the prairie and lower lands. Planted in fall and early winter.

Gray Oats. Sown both fall and early spring and the standard oat for this valley and western Washington and Oregon.

White Oats. Have some very choice seed oats of this well known variety, clean and fine quality.

Spring Rye. Makes a good crop sown in the spring.

Fall Rye. Always makes a crop and can be sown on poor land that will not raise other grain. Makes an abundance of pasture and green feed and also a fine cover crop or orchards and berries.

Hanchean Spring Barley. Usually does best on light land but is grown nearly everywhere.

Fall Barley. Barley is being planted in the fall and has proven very productive. The acreage has increased several hundred percent the last year and farmers are well satisfied with the results.

Cheat Seed. Recleaned. This is used as a hay crop especially on wet lands and when cut and taken care of at the right time makes a good hay.

Canada Field Peas. Field peas are becoming more popular every year. They make a good hay; make a great hog feed and are used for silos. Lb. postpaid, 20c; not postpaid, lb. 10c; 100 lbs. market price.

VETCHES

Oregon Vetch (Common Vetch). One of the best forage plants grown on the Pacific Coast. It furnishes an abundance of green, makes a fine hay; used for silos, pasture, and is unexcelled as a cover crop. Price, per 100 lbs. \$4.00.

Hungarian Vetch. This is proving a wonderful vetch; it seems to be adapted for land too heavy and wet for common vetch; is aphid proof; seems to stand more freezing than other vetches and is very productive. Can be used for all purposes that common vetch is used for with the assurance of making a crop when other vetches are a failure. Price, per 100 lbs. \$3.75.

Sand or Hairy Vetch. This thrives on poor, arid, sandy soil, but will grow anywhere. Is a winter vetch and should be planted in fall when to be cut for crop or seed. Can be seeded in spring for pasture. 10 lbs. postpaid, \$2.00; 100 lbs., by freight or express collect, \$12.50.

Vetch and Oats. This is a mixture prepared for hay and is the usual mixture sown in this valley. Consists of recleaned grey winter oats and Oregon vetch. Write for prices.

Purple Vetch. This is used as a cover crop only. Market prices.

HIGH GRADE FERTILIZERS

Fertilizers in the Northwest are just commencing to be used.

In a few years, nearly all our farms, orchards, gardens, etc., will have to be fertilized in order to be profitable.

You will find it profitable to use a good fertilizer for whatever crop you may be growing.

SWIFTS RED STEER BRAND FERTILIZERS

Brand B. 2 12 3. A complete general fertilizer for gardens, truck farms, etc. 125 lbs. bags, \$3.25; ton, market price.

Brand C. 3 10 4. Berries and small fruits. 125 lb. bag, \$3.50; ton, market price.

Brand E. 3 10 10. Very strong in potash, especially adapted for onions, kale, cabbage, etc. 125 lb. bag, \$4.00; ton, market price.

Nitrate of Soda. The cheapest and best way to apply nitrogen to plants. Applied right produces wonderful results. 25 lbs. \$1.15; 100 lbs. \$3.50, ton, market price.

Muriate of Potash. Used especially on fruits and onions to make a firmer, better grade. 25 lbs. \$1.15; 100 lbs. \$3.25; ton, market price.

Acid or Superphosphate. 17½ % Valuable on fruits and berries as it improves the color and shipping qualities. Also helps to make the fruit set when blooming. 125 lb. bag, \$2.00; ton, market price.

Sulphate of Ammonia. 25%. A wonderful, quick acting fertilizer for lawns, gardens, fruit, etc. 25 lbs. \$1.50; 100 lbs. \$4.50.

Pure Bone Meal. A slow acting fertilizer that is one of the best kinds to use for continued growth. 25 lbs. \$1.00; 100 lbs. \$3.00 ton, market price.

Sheep Guano. We have a good grade of this valuable fertilizer and our price is especially low. 100 lbs. \$1.50; ton, market price.

H.O. Lime. This is a high grade lime made for fertilizer and for a disinfectant in barns, etc. 100 lbs. \$1.50; ton, market price.

Ground Lime Rock. Pure, ground lime rock. 100 lb. bag, \$1.00; ton, market price.

Fertilizer Tankage. Have a good article at a reasonable price. 100 lbs. \$3.00; ton, market price.

Land Plaster. A high grade land plaster for clover, vetch, peas, corn, potatoes, etc. 100 lb. sack, 75c; ton, market price.

More Crop Lawn Fertilizer. A high grade lawn fertilizer that is properly mixed and contains the various fertilizer ingredients to produce the finest lawns the year around. 100 lb. bag, \$3.50.

More Crop Garden Fertilizer. Contains the various fertilizers necessary for garden use. With this fertilizer, you can produce the finest of garden truck. 100 lb. sack, \$3.00.

LAWN FERTILIZER

Roselawn is the highest grade lawn fertilizer on the market and certainly makes the lawn grow. Also, used for roses, shrubbery and plants. Lb. 10c; 3 lbs. 25c; 25 lb. bag. \$1.25; 50 lb. bag, \$2.25; 100 lb. bag, \$4.00.

Diamond Plant Food. Made for house plants, etc. $\frac{1}{2}$ lb. pkg. 25c; 1 lb. pkg. 40c; postpaid, $\frac{1}{2}$ lb. 35c; 1 lb. 50c.

Floranid is the most highly concentrated nitrogen fertilizer, containing 46% available nitrogen. No other fertilizer contains anything like as high a percentage. One level teaspoonful to the gallon of water is all that is required. 1 lb. can, 75c; postpaid, 85c. Try a can and prove its value.

FERTILIZERS

Ammo=Phos. This new fertilizer has proven a wonderful success especially for green house use and market gardeners. Price, lb. 10c; 100 lbs. \$6.00.

Hydrated Lime. This is the strongest form of lime on the market and is used for many purposes, as a fertilizer, as a spray, as a white wash, etc. 50 lb. bag, \$1.00. Tons, market price.

SPRAY MATERIAL

We carry the largest stock of the most reliable spray materials in the city. You will find that our prices are the lowest that can be made on first class goods. You do not want to use anything but the best as it is money thrown away to use poor spray material. Spare the Spray and Spoil the Fruit. Never before has it been so necessary to protect fruit and vegetables crop against the ravages of insects and fungous diseases. This applies to commercial plantations and to the small orchard or garden. The question as to whether spraying pays has been answered. The real problem is one of improving sprays and their methods of application.

S W. Spray Oil, or Spray Mulsion. For Scale, Thrip, etc. From experiments we have made the past ten years, we find that for Scale on Fruit trees, there is no spray that has the killing effect of the oil spray. Should be applied as a dormant spray for this purpose. Spray-Oil, so far has been the only remedy for thrips; should be used with Black Leaf 40 and applied as soon as the thrip shows. Do not delay as the damage is done within a day or so and crop ruined. 5 gal. can, \$2.50; 50 gal. bbl. \$15.00.

S W. Lime Dry Sulfur. This is taking the place of the old Lime-Sulphur Solution as it has all the advantages and none of the disadvantages of this spray. A 100 lb. drum makes as much spray as a 600 lb. bbls. of the old spray. From tests made the last few years, it has surpassed all other sulphur sprays in various tests. Used for San Jose Scale, Apple Scab, Peach Curl Leaf, Brown Rot, Pear Psylla, Leaf Blister, Mite, etc. Lb. 30c; 5 lbs. \$1.15; 10 lbs. \$2.00; 25 lbs. \$3.25; 50 lbs. \$5.50; 100 lbs. market price.

Lime Sulphur Solution. We carry the well known and very reliable Dependable Brand of Lime-Sulphur Solution manufactured by G. Stoltz Co. They have manufactured this well known brand for many years and it has proven very satisfactory. We carry stock at all times and have a very convenient place to load it. We sell at factory price. Price, 50 gallon barrel, \$9.00 Allowance of \$1.00 for barrel when returned.

S W. Arsenate of Lead, Dry Powdered. This has supplanted the paste form and is now used in all sections of the U. S. Much more convenient to use, only takes half as much, much more easy to mix, does not freeze, always good, no matter how old. Arsenic and Lead thoroughly combined, eliminating danger from burning. Cannot be sent by mail. Write for prices.

S W. Fungi Bordo Spray, Dry Powdered. The most convenient of Bordo Spray. Easy to handle and mixes readily. Now sold at prices that are cheaper than you can afford to buy the materials and make it. Cannot be sent by mail. Lb. 35c; 5 lbs. \$1.25; 25 lbs. \$4.50.

Black Leaf 40, Nicotine Sulphate. Guaranteed to contain 40% nicotine. When used according to directions it neither burns nor stains fruit or foliage. Used as a fruit spray for thrip and Aphis, as a Hop spray, and as a Sheep Dip. Also used on Garden truck, Onions, etc. Cannot be sent by mail. Oz. 35c; $\frac{1}{4}$ lb. \$1.25; 2 lbs. \$3.50; 10 lbs. \$13.50.

Whale Oil Soap. An excellent summer wash for Aphis, etc. Bar 20c.

Tobacco Powder for Dusting. For destruction of Green Fly Aphis, etc., where fumes cannot be confined. 2 lb. pkg. 40c. 10 lb. pkg. \$1.25.

Sulphur. A good grade of sulphur for spraying, etc. Lb. 5c; 10 lbs. 50c; 110 lbs. \$3.50; ton, market price.

Lime. The best grade on the market for all purposes. 10 lbs. 30c; 100 lbs. \$2.50; bbl. \$3.75.

Bluestone. The best grade for spraying. Lb. 10c; 100 lbs. market price.

Grafting Wax. $\frac{1}{4}$ lb. 20c; $\frac{1}{2}$ lb. 30c; lb. 50c; postage extra.

Beeswax. Lb. 60c; postpaid, 70c.

Rosin. Lb. 20c; postpaid; 10 lbs. \$1.25, not postpaid.

Carbola. The disinfectant white paint, used instead of whitewash. 10 lbs. pkg. \$1.50; postpaid, \$1.70 5 lb. pkg. 85c; postpaid, \$1.00.

CLENSEL

(Patterson's Concentrated)

A highly concentrated spray (one gallon will make from 25 to 50 gallons of spray) used on ROSES, SWEET PEAS, BEANS, and other plants as a preventive against Aphis, Red Spider, Mildew and many other forms of diseases. It is also very beneficial to the foliage on plants. It being non-poisonous it can be used safely. $\frac{1}{2}$ pints 60c; pints \$1.00; quarts \$1.75; gallons \$5.50.

PEERLESS GOPHER KILLER

For exterminating gophers, moles and all burrowing animals. This is a liquid that when put in the burrow forms a heavy gas that penetrates through the runway and kills the animal. It has proven very successful. Qt. can, 75c. Cannot be mailed.

GOPHER GUNS

For the positive destruction of Gophers, Moles, Squirrels, Rats and other burrowing pests. This is a new gun that shoots a 38 BLANK cartridge shell and is safe and simple to use. Keep the gun clean and it will last a life time. Price, \$2.00 each, postpaid. Blank Shells, doz. 25c. Cannot be sent by mail.

GOPHER SCENT

A prepared grain poison that kills Gophers, Squirrels, Moles, etc., but is harmless to other animals and poultry. 35c, 50c and \$1.00 pkgs. Cannot be sent by mail.

RAT SCENT

Similar to the above but made especially for Rats and Mice. Also, harmless to other animals and poultry. 35c and 50c pkgs. Cannot be sent by mail.

CARCO VEGETABLE SPRAY

A Successful Remedy for Cabbage Maggot

For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also recommended for combating crown borers in strawberries. $\frac{1}{2}$ pt. 50c; pt. 75c; postage extra.

NAPHTHALENE

Prevents and repels all soil pests such as Cut Worms, Slugs, Centipedes, Aphis, Ants, Beetles, and other insects. Can be used for garden and field crops, bulbs and fruit trees, for the prevention of insects which inhabit or hatch out of the soil. Can be used in large quantities at a reasonable cost. Also, has been used with great success for treating soils for fungus diseases. Prices are as follows, F. O. B. Salem, Ore. 2 lbs. 25c; 10 lbs. \$1.00; 25 lbs. \$2.25; 50 lbs. \$4.00; 100 lbs. \$7.50; 200 lb. drums at \$5.50 per 100 lbs. Cannot be sent by mail on account of odor.

Snarol. For snails, slugs, cut worms, sow-bugs, earwigs and grasshoppers. 1 lb. 40c; 3 lbs. 75c; 15 lb. bag \$3.00. Poison, cannot be sent by mail.

EVERGREEN

A Non-Poisonous Insecticide. Harmless to man, birds and animals. Garden produce such as vegetables, as lettuce, celery, greens, cucumbers, etc. can be eaten uncooked without the slightest danger. Special washings are unnecessary. Kills cut worms, ants, plant lice and melon bugs, striped beetle and rose lice. $1\frac{1}{2}$ oz. bottle, 35c; postpaid, 40c; 6 oz. bottle, \$1.00, postpaid, \$1.10.

SPREADER

Casein Spreader has proven the most satisfactory on the market. It spreads over more surface and makes an even spread and holds the spray better than any other spreader we have been able to secure. 1 lb. 15c.

LEE'S GARDEN INSECTICIDE

Lee's Garden Insecticide. To be used against garden insects, such as cabbage worms, plant lice, green bugs, beetles, etc. Also used on roses and shrubbery. Lb. can 35c; postpaid, 45c.

TREE TANGLEFOOT

Tree Tanglefoot. Usually used around the base of the tree to keep insects and vermin off tree. Lb. can, 50c; postpaid, 60c; 3 lb. can, \$1.45; postpaid, \$1.55; 10 lb. can, \$4.25; postpaid, \$4.50.

ANTROL—THE NEW WAY TO KILL ANTS

Antrol. Keep the Argentine Ant out of your home. Antrol attracts the ant and the workers carry the poison to the colony, which is soon completely destroyed. Place a few small jars of Antrol around your home or garden and you will soon note its marvelous effect. If your premises are infested with ants, you really cannot afford to be without Antrol.

Cottage Sets. Containing 9 containers and one small bottle of syrup. Set \$1.60.
Syrup in pints 65c. Poison, cannot be sent by mail.

SEMESAN (DU PONT)

A mercuric disinfectant, for general agricultural purposes and the control of seed, plant and soil diseases.

Semesan Dust, 2-oz. size, 50c; 1 lb. size, \$2.75.

Send for booklet describing in detail the extensive uses of Semesan. This article cannot be sent by mail as it is a poison and if it is to be shipped must go either by express or freight.

VARMINT POISONS

Squirrel Poison. We handle a reliable brand of squirrel poison that does the work. Can, 50c.

Gas Balls. Kills the Gophers, Moles, Rats and Squirrels; easy to handle, safe and sure to kill. 5c each; 6 for 25c; doz. 40c; carton of 125, \$3.00. Cannot be sent by mail.

Rat Nip. The best rat poison on the market; sure to kill. Tube, 35c. Cannot be sent by mail.

CALCIUM CYANIDE

Calcium Cyanide or Cyan o gas Calcium Cyanide is endorsed and recommended by Federal, State and County Rodent Experts for control of squirrels, gophers, moles, etc. Safe to use. It may be stored and handled with ease and safety. It is non-explosive and non-inflammable and will not deteriorate in strength if kept in the air tight cans. The results our customers have had in the last year from the use of this gas have been the best of all the different poisons on the market and proven very satisfactory. Prices, 1b. can, 75 cts; 5 lb. can; \$2.50; 25 lb. can, \$5.00. Must be sent by express or freight. Cannot be mailed.

SPRAY PUMPS AND SPRAYERS

Utility Compressed Air Sprayers. Standard size. This is one of the best compressed air sprayers on the market. It is well made of heavy galvanized iron, holding about 3½ gallons of spray. This type of sprayers are becoming more popular every year as they are so convenient to use for every purpose that a small sprayer is adapted to. Price, \$6.50 each.

Hand Sprayer. A very convenient sprayer for lice killers, fly sprays, rose sprays, etc. Aspinwall type, 60c; Faultless type, 50c.

Continuous Hand Sprayer. This is the most convenient sprayer on the market. Galvanized, \$1.10.

Glass Jar Sprayer. This uses a regular Mason jar for the container and is well made and convenient. **85c each.**

Feeney Dust Gun. A dandy dust gun that does the work. **Each, \$1.00.**

S W. Powder Guns. A powerful dust gun for use in orchards, small fruit, for market gardeners and any place where you desire to have large capacity. **Each, \$7.50 complete.**

Knapsack Powder Guns. After testing many makes of Dust Guns, we placed our order for the Knapsack. This is a very powerful gun and is suitable for gardeners and orchardmen. Easy to operate and does not get out of order like most of the powder guns. **Price, each, \$15.00.**

Smiths Compressed Air Sprayer. A brass sprayer, well made and durable. **Holds about 3½ gallons. Price each, \$7.50.**

Plunger Type Sprayer. A well made and durable sprayer. Used by nearly all the Cherry Growers for applying the Fly spray to cherry trees and is also, used for poultry houses, white washing, washing autos, etc. **Price each, \$4.00.**

HAND SEEDERS AND CULTIVATORS

Horn. This is one of the most popular seeders for clovers, timothy and other small seeds. **Price, each, \$1.00.**

Cyclone. This is a larger seeder and can be used for grains as well as all small seeds. **Price, each, \$2.50.**

HAND CULTIVATOR

We have a good high grade hand plow and cultivator that is very convenient for garden use. Complete with all necessary attachments. **Price, \$5.00.**

PLANT SETTERS

Masters'. For planting cabbage, kale, celery, etc. With this little planter you can plant, water and fertilize ten thousand plants a day. **Price, each, \$6.50.**

CORN PLANTERS

Crescent. A two-handed planter; strong and durable. **Price, \$1.35.**

Segment. Very accurate in planting. **Price, \$2.25.**

TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. **Each, \$1.25; postpaid, \$1.35.**

The Cinch Gopher Trap. The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. Sold several hundred of these traps the past season and they all gave fine satisfaction. Guaranteed to do the work or money back. **Price, 60c; postpaid, 65c. State whether for moles or gophers when ordering.**

Out o'sight Mole Trap. One of the best. Sure to "get them." **Price, \$1.25; postpaid, \$1.35.**

Macabee Traps. A small trap that many have great success in catching moles and gophers with. **Price 25c; postpaid, 30c.**

POULTRY FOODS

OUR MIXED FEEDS

We have just installed a large feed mixer and are now prepared to supply all mixed feeds of our own manufacture. **Prices on application.**

If you have a special mixture for any purpose that you prefer, we can mix it for you.

OUR OWN EGG MASH

We are offering a high grade, well proportioned Egg Mash, made from the highest grade materials on the market. We are using nothing but the best of feeds and concentrates and use no cheap fillers of any kind.

In trials made it has given excellent results.

OUR OWN CHICK MASH

Manufactured from the best material and blended to produce healthy, strong chicks. We make it both with milk and without milk.

OUR OWN DEVELOPING MASH

Made for the chicks after they are too large for chick mash and to be fed up to the time you are ready to have them commence laying. With or without milk.

WHITE'S SCRATCH FEED

Our special Grade. This is without doubt the highest grade of Scratch Feed sold in the Northwest today, regardless of price.

It is a proper mixture of Recleaned Wheat, our special grade of Cracked Corn, Fancy Oat Grotes and Sunflower seed. We have sold it for a number of years and it has given excellent satisfaction and results.

Our Standard Grade. This is a different mixture, consisting of Recleaned Wheat, Recleaned heavy Grey Oats, and our Special Cracked Corn. It is a fine feed and sells at a reasonable price.

OUR OWN BABY CHICK FEED

A well balanced chick feed of the proper grains for a baby chick. All recleaned and free from dust and dirt and an excellent article.

OUR OWN GROWING SCRATCH FEED

This is to be fed after the chick is too large for Chick feed and is the proper mixture to keep them growing and keep them healthy.

WHITE'S DAIRY FEED

Many Dairymen prefer to buy a prepared Dairy Feed when they know they can get an article that is made right and will produce the best results. We have a mixture that has been tried and proven good and has been used by many Dairymen here and elsewhere. All good clean feed and properly mixed and sold at a reasonable price. A trial will satisfy you.

PRICES

By installing machinery and manufacturing our own feeds, we are able to undersell all dealers who have to buy mixed feeds. We are very large dealers in all the different kinds of feeds and by buying in large lots are able to buy at a big advantage. This saving we pass on to you in our retail prices. Send for price list when you are in the market.

POULTRY FOODS

Fish Meal. The grade we sell is the best obtainable. It contains nothing but pure fresh fish, properly processed and will not taint the eggs. **100 lbs. \$4.75.**

Meat Scraps. Are rich in materials which make bone, muscle and lean meat. They insure health, thrift, and vigor and satisfy the natural craving of the bird's system for flesh-food in some form. Rich in protein. Can be fed dry or with cooked rations. **Lb. 10c; 10 lbs. 75c; 100 lbs. \$5.00.**

Granulated Bone. We offer only highest quality, pure and clean Rich in phosphates, lime and protein. Should be kept before your chickens at all times. Feed in a sanitary Shell and Grit Box. **6 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.50.**

Oyster Shell Crushed. Best Grade pure hard Eastern oyster shell, crushed and sifted. Supplies lime material for egg shells. Does not take the place of grit as some think. Hens must have both shell and grit. Oyster shells should be within reach of your hens at all times. **12 lbs. 25c; 100 lb. sack, \$1.25.**

Grit, Best Grade. Every poultry raiser should keep a supply of this grit in each pen. Baby chicks and ducklings must have it. Made in three sizes, chick, pigeon or broiler, and hen size. We always send hen size unless others are ordered. **12 lbs. 25c; 100 lb. sack, \$1.00.**

Alfalfa Leaves. The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts. **50 lbs. \$1.75.**

Charcoal. Our stock is prepared especially for poultry and of highest quality obtainable; a preventative of bowel trouble; sour crop and indigestion; a health preserver. State size wanted. A, for mash; B, for chicks; C, for large chickens or hens. Lb. 10c; 4 lbs. 25c; 50 lbs. \$1.75.

Poultry Pepper. A good tonic and invigorator. Ground. Lb. 30c; postpaid, 40c.

Tobacco for Poultry. We have a special high grade tobacco dust for Worms in Poultry. 2 lb. pkg. 40c; 10 lbs. \$1.25. Cannot be mailed.

Meat Meal. For those who prefer to mix their own mashes, we have this high grade meat meal. 100 lbs. \$4.00.

Poultry Bone Meal. Made especially for mashes. 10 lbs. 50c; 100 lbs. \$3.50.

Sterilized Bone Flour. This is a very fancy Bone Flour made for animal feeding. Used by Dairymen, Fox Breeders, and in various mixtures of minerals. 10 lbs. 80c; 100 lbs. market price.

Semi Solid Buttermilk. An essential feed for Baby Chicks and Laying Hens. You may be doing well from your poultry without it but tests show that you will do about 25% better with it. The cost is very small and you cannot afford NOT to feed it. Try a kit and see the results. 5 gals. \$3.00, 10 gals. \$5.25; larger containers at market price. Send for circular.

COD LIVER OIL

Cod liver oil is becoming a standard feed. We have a high grade oil that has proven one of the very best on the market. It is very essential to get a good oil as a poor oil might cause a lot of trouble. Prices are as follows, 1 gallon, \$2.00; 5 gallons, \$9.25; 30 gallon barrel, \$42.00.

RABBIT FEED

We carry a mixed feed, especially prepared for rabbits and it has proven very popular and gives fine results. Market price.

PIGEON FEED

Have a mixed feed especially prepared for pigeons composed of the various grains and seeds that pigeons thrive on. Market price.

LEE'S POULTRY AND STOCK REMEDIES

The line of remedies manufactured by the Geo. H. Lee Co. are one of the most reliable lines sold on the market. They have built up a wonderful trade that is increasing each year until now it is one of the largest concerns of its kind. We surely can recommend the following items. Send for their book. Free.

Lee's Germozone. 4 oz. bottle, 40c; 12 oz. bottle, 75c; 32 oz. bottle, \$1.50; $\frac{1}{2}$ gallon bottle, \$2.50; 1 gallon bottle, \$4.50. Postage extra.

Lee's Lice Killer. Qt. can, 60c; $\frac{1}{2}$ gallon. can, 90c; 1 gallon can, \$1.50; 5 gallon can, \$6.50.

Lee's Louse Powder. 1 lb. can, 30c; $2\frac{1}{2}$ lb. can, 60c; postage extra.

Lee's Poultry Wormer. 12 oz. bottle, \$1.25; 32 oz. bottle, \$2.25; $\frac{1}{2}$ gal. \$3.75; 1 gal. \$7.00.

Poultry Dosing Syringes, to apply wormer, 35c each.

Lee's Vapo-Spray, $\frac{1}{2}$ gal. \$1.25; 1 gal. \$2.25.

Lee's Egg Maker. 2 lb. pkg. 50c; 5 lb. pgk. \$1.00; 12 lb. pail, \$2.25; 25 lb. pail, \$4.25.

Lee's Hog Remedy. 12 lb. pails, \$2.25; 25 lb. pails, \$3.75.

Lee's Garden Insecticide, 1 lb. can, 35c; 2 lb. can, 60c.

Lee's Peerless Gopher Killer. Qt. cans, 75c.

MCCLELLAN POULTRY SUPPLIES

Rx. 999 Worm Powders. 1 lb. pkg. \$1.75; $2\frac{1}{4}$ lb. pkg. \$3.75; 5 lb. pkg. \$7.50.

Crexafowl Poultry Powder. 12 lb. pkg. \$1.80; 30 lb. pail, \$4.25; $1\frac{1}{2}$ lb. pkg. 30c; 5 lb. pkg. 85c.

Louse Powder, Comp. Sodium Fluoride, 15 oz. 30c.

RABBIT REMEDIES

Bronki=ol Inhalant, qt. can, \$1.00; gallon can, \$3.00.
 Worm Emulsion, 2 oz 50c.
 Ear Canker Remedy, 2 oz. 50c.
 Rabbit Cold Remedy. Use Bronki=ol Inhalant.
 Rabbit Snuffle Remedy. Use Bronki=ol Inhalant.

CARBOLINEUM

Recommended for poultry houses as a spray against lice and mites. Qt. can, 65c; 1 gal. can, \$1.75.

SODIUM FLUORIDE

Sodium Fluoride. This is a wonderful lice powder and surely kills 'em. Can, 40c.

CARBOLIC=OL

Carbolic-Ol. This is used usually as a paint and is very penetrating and lasts for a long time. Used in a poultry house, it will keep it free from lice and vermin for months. 1 qt. can, 60c; $\frac{1}{2}$ gal. can, \$1.00; 1 gal. can, \$1.50.

POULTRY AND STOCK FOODS AND REMEDIES

Dr. Hess Stock Tonic. $3\frac{1}{2}$ lb. pkg. 65c; postpaid, 75c; 10 lb. pkg. \$1.50; postpaid, \$1.70; postpaid \$1.70; 25 lb. pail, \$3.50; postpaid, \$3.80.
 Dr. Hess Panacea. $1\frac{1}{2}$ lb. pkg. 30c; postpaid, 40c; 5 lb. pkg. 85c; postpaid, 95c; 12 lb. pkg. \$1.75; postpaid, \$2.00; 25 lb. pail, \$3.50; postpaid, \$3.80.
 Dr. Hess Louse Killer, Powder. 1 lb. pkg. 30c; postpaid, 40c.
 Dr. Hess Dip and Disinfectant. Qt. 75c; postpaid, 85c; $\frac{1}{2}$ gal. \$1.25; postpaid, \$1.35; 1 gal. \$2.00; postpaid, \$2.15.
 Dr. Hess Healing Powder. 4 oz. pkg. 25c; postpaid, 30c; 10 oz. pkg. 50c; postpaid, 55c.
 Dr. Hess Roup Tablets. 4 oz. pkg. 50c; postpaid, 60c; 10 oz. pkg. \$1.00; postpaid, \$1.10.
 Dr. Hess White Diarrhea Tablets. Small pkg. 50c; postpaid, 55c; large pkg. \$1.00 postpaid, \$1.05.
 Dr. Hess Stock Worm Powders. $1\frac{1}{2}$ lb. pkg. 50c; postpaid, 60c.
 Dr. Hess Heave Powders. $1\frac{1}{2}$ lb. pkg. 50c; postpaid, 60c.
 Dr. Hess Poultry Worm Powders. This is a new remedy put on the market after years of testing and is guaranteed to kill all kinds of poultry worms. $1\frac{1}{2}$ lb. pkg. 60c; postpaid, 70c; 4 lb. pkg. \$1.50; postpaid, \$1.60.

CONKEY'S POULTRY REMEDIES

Roup Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. \$1.20; postpaid, \$1.25.
 Cholera Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. \$1.20; postpaid, \$1.25.
 Gape Remedy. Small pkg. 30c; postpaid, 35c.
 White Diarrhea Remedy. Small pkg. 30c; postpaid, 35c; medium pkg. 60c; postpaid, 65c; large pkg. \$1.20; postpaid, \$1.25.
 Sorehead Remedy. Small pkg. 30c; postpaid, 35c.
 Canker and Bronchitis Remedy. Pkg. 60c; postpaid, 65.
 Limberneck Remedy. Pkg. 60c; postpaid, 65c.
 Black Head Remedy. Pkg. 60c; postpaid, 65c.
 Scaly Leg Remedy. Pkg. 30c; postpaid, 35c.
 Lice Powder. 15 oz. pkg. 30c; postpaid, 35c; 48 oz. 60c; postpaid, 70c.
 Head Lice Ointment. 1 oz. 15c; postpaid, 20c; 3 oz. 30c; postpaid, 35c.
 Lice Fix. Small pkg. 30c; postpaid, 35c; large pkg. 60c; postpaid, 65c.

BARNES WORM EMULSION

Give your hens a chance by controlling the worms with Ba4ne's Worm Emulsion and they will do their part. Qt. can, \$1.00; postpaid, \$1.10; 1 gal. can, \$3.00; postpaid \$3.15.

DAIRY ASSOCIATION GOODS

Kow Kare. Small pkg. 65c; postpaid, 75c; large pkg. \$1.25; postpaid, \$1.35.
Bag Balm. Pkg. 60c; postpaid, 70c.

Garget Cure. Pkg. 65c; postpaid, 75c.

Poultry Worm Capucles This is the latest method of feeding to kill worms in poultry and has proven very successful. We have a high grade article that is used in California and recommended very highly by California State Poultrymen. 100 capuceles in box, \$1.00 per box.

QUICK RELIEF FOR COWS

This is a great remedy for cows with sore or caked bags and acts very quickly. Can, \$1.50.

LEG BANDS

Aluminum. An adjustable band, numbered, that can be used on any sized poultry
Doz. 15c; 2 doz. 25c; 100, 75c.

Celuloid. This is the key ring style band. Always state breed of poultry you desire bands for. Leghorn size, doz. 15c; 2 doz. 25c; 100, 60c. For Rocks, Reds, etc.. doz. 15c;
2 doz. 25c; 100, 75c.

AVICOL

Tablets for White Diarrhea in chicks and Black Head in Turkeys. Pkg. 50c.

DON SUNG

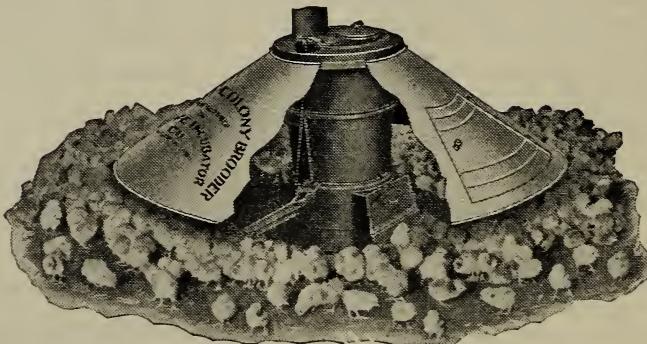
Tablets for making hens lay, tonic and conditioner. Pkg. 50c; and \$1.00.

ROUP-OVER

Liquid for Roup, colds, canker, etc. Bottle, 50c.

BUCKEYE BROODERS

In the Buckeye Coal Burning Brooder, you secure the very latest improved brooder manufactured and one that gives satisfaction in every way.



Prices are as follows,

No. 117, 42 inch hover, capacity, 350 chicks, \$16.50.

No. 118, 52 inch hover, capacity, 500 chicks, \$21.50.

No. 119, 56 inch hover, capacity, 1000 chicks, \$26.50.

EGG SCALES

Under the new law it is to your advantage to grade your eggs. The following are reliable scales.

The Oakes, 22 oz. weight, 50c. Postpaid, 60c.

The Champion, adjustable, \$1.75 each.

The Reliable, adjustable, \$3.00 each.

The Acme, weighs eggs from 18 to 26 ozs., \$3.00 each.

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

5 gallon keg....	\$1.00	15 gallon keg....	\$1.75	30 gallon barrel....	\$3.00
10 gallon keg....	\$1.50	20 gallon keg....	\$2.25	50 gallon barrel....	\$4.00

RAFFIA

We carry a high grade Raffia suitable for making various items, like baskets, etc. Also used by gardeners for tying up fresh vegetables instead of twine. Ib. 35c, postpaid 45c.

CHICK FOUNTAINS AND FEEDERS

MOE'S STAR FOUNTAIN AND FEEDER

Made of a single piece of heavy metal. No solder, no seams, no loose parts. Suitable for feed as well as water. Little chicks can not drown. Fits any Mason jar in 1 Pint, 1 Quart, and 2 Quart sizes. No. 32 (Glass jar not included) Each 10c.

MOE'S DOUBLE FEEDING TROUGH

Double trough, with sliding top, easily filled and cleaned. Accurately stamped with dies. No rough edges. No. 59, length 18 in. each 55c; No. 60, length 24 in., each 65c.

MOE'S BABY CHICK FEEDERS

A great feed saver, and can also be used for water or milk. Accurately stamped with dies. Top fits snugly, yet is easily taken off for filling and cleaning. No. 12, diam. 8 in. with 12 holes, each 25c.

WALL FOUNTAIN

The covered outlet keeps out dust and dirt, and a removable plate prevents any floating rubbish from being drawn into the reservoir. No. 98, 1 gal. Capacity, each \$1.15; No. 99, 2 gal. capacity, each \$1.50.

BOTTOM FILL FOUNTAIN

The round taper shape prevents damage from freezing. Made in two pieces accurately formed. Easily filled and cleaned. No. 19, 1 quart, each 25c; No. 20, 2 quart, each 40c; No. 24, 1 gal., each 55c.

MOE'S GRIT AND SHELL BOXES

Economical and practical for feeding grit, shells, etc. No. 9, three compartments, each 90; No. 90c, four compartments, each \$1.20.

MOE'S LARGE CAPACITY FEEDER

A fine feeder for growing stock, and a great time and labor saver. Has a total of 54 feeder holes. Sliding top, easy to fill and clean. Capacity 17 quarts, length 35 inches. No. 141 Moe's Chick Feeder, each \$2.00.

MOE'S OAT SPROUTER

Steel frame, well braced and painted, with six heavy galvanized iron pans which are interchangeable. Provides the very necessary green feed at all seasons. Total height 3 ft. Size of pans, 16x18 inches. No. 110 Moe's Oat Sprouter, each \$7.00.

MOE'S DRY MASH HOPPERS

A strictly high quality hopper, properly designed. The curved bottom keeps the feed in easy reach, and the taper shape of the hopper prevents the feed from clogging. Height 19 inches. No. 36, width 12 in. each \$2.10; No. 13, width 18 in., each \$2.40.

WALL FOUNTAIN

No. 74. A large size, five gallons, easy to fill and nothing to get out of order. Each, \$2.00.

FOUNTAIN AND BROODER HEATERS

Simple and safe. Nothing to get out of order. Will burn seven days with one filling. Each, \$2.00.

JAR FOUNTAINS

Made from rust resisting metal. Uses any size Mason jar. Each, 10c.

BUTTERMILK FEEDERS

Made from a special heavy tin. No. 138, 20 inch, each, 45c.

BEE SUPPLIES

HIVES AND SUPERS

8 Frame Hive. 1 story, with brood frames, top and bottom. Each, nailed, \$2.50; Case of Five, K. D., \$11.00.

8 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundations. Each, \$3.50; Case of five, K. D., \$14.00.

8 Frame Hive. 1½ story, same as above with sections and foundation. Each, \$4.00; Case of five, K. D., \$17.00.

8 Frame Hive. Extracting supers, with brood frames, extracting frames, top and bottom. Each, \$3.50; Case of five, K. D., \$14.00.

8 Frame Hive. Body only, no top or bottom, empty. Each, nailed, \$1.00; Case of five, K. D., \$4.00.

8 Frame Hive. Body, with brood frames, no top or bottom, Each, \$1.50; Case of five, K. D., \$6.00.

10 Frame Hive. 1 story, with brood frames, top and bottom, Each, nailed, \$2.75; Case of five, K. D., \$12.00.

10 Frame Hive. 1½ story, with brood frames, super, top and bottom, no sections or foundation. Each, \$3.75; Case of five, K. D., \$15.00.

10 Frame Hive. 1½ story, same as above with sections and foundation. Each, nailed, \$4.25; Case of five, K. D., \$19.00.

10 Frame Hive. With Extracting Supers, 1½ story, with brood frames, extracting frames, top and bottom, no foundation, \$3.75.

10 Frame Hive. Body only, empty, no top or bottom, Each, nailed, \$1.10; Case of five, K. D., \$4.75.

10 Frame Hive. Body with brood frames, no top or bottom, Each, \$1.75, Case of five, K. D., \$7.25.

8 Frame Supers. No sections or foundations but with section holders. Each \$1.00; Case of five, K. D., \$4.50.

8 Frame Supers. With sections and one sheet foundation. Each, \$1.40; Case of five, K. D., \$6.50.

10 Frame Supers. No sections or foundation, with section holders. Each, \$1.10; Case of five, K. D., \$5.00.

10 Frame Supers. With section holders, sections and one sheet foundation. \$1.50; Case of five, K. D., \$7.00.

8 Frame Extracting Super. With extracting frames. Each, \$1.00; Case of five, K. D., \$4.50.

10 Frame Extracting Super. With extracting frames. Each, \$1.10; Case of five, K. D., \$5.00.

8 Frame Covers. Each, 70c. 10 Frame Covers. Each, 75c.

8 Frame Bottoms. Each, 60c. 10 Frame Bottoms. Each, 65c.

Inner Covers. Each, 40c.

All hives and supers are made from the finest cedar and are dovetailed. The mill work is extra good and by far the best line we have been able to find on the market, regardless of price. You may be able to buy cheaper hives and supers but you will find it will pay to buy the best as they last much longer than the average stock.

SECTION HONEY BOXES

Our No. 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. 100, \$1.50; 500, \$7.00.

SECTION HOLDERS

Six sections holder, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is $\frac{1}{4}$ -inch thick, and is cut to fit in sets of sections, $1\frac{1}{2} \times 8\frac{1}{2}$ inches, slotted. Each, 6c; 100, \$5.00.

COMB FOUNDATION

Packed in 1, 2, 3, and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb. Price per lb. 75c. Light section grade 11 to 12 square feet per lb. Price per lb. 85c. If foundation is wanted by mail, add 8c per lb up to two lbs., and 2c per lb. over 2 lbs.

BEE SUPPLIES

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. Price Hoffman Frames, per 10, 75c; per 100, \$6.50.

Extracting Frames. For extracting supers. Per 10, 75c; per 100, \$6.50.

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separator, $4\frac{1}{2} \times 18$, per doz. 15c; per 100, \$1.00.

BEE VEILS

Hat Veils. These veils have a rubber band around the top so as to fit the hat snugly. The lower end is bound, to prevent fraying. The kinds of material are given below. Price list, postpaid, No. 3 Veil, cotton tulle throughout, \$1.25 Globe Veils, each \$1.50.

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. Price, 35c; by mail, 45c.

TINNED WIRE

No. 30. Per spool, 10c, postpaid; $\frac{1}{2}$ lb. spool, 25c; postpaid, 30c; $\frac{1}{2}$ spool, 40c; 1 lb. spool, 65c.

BEE SMOKERS

Clark's Cold Blast. Probably the most popular smoker in use today is the Cold Blast, although many are now changing to the hot blast, claiming that they are more effective. The Clark is the best low-price smoker. Price, \$1.25; by mail, \$1.35.

Standard Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial. Price, Standard, $3\frac{1}{4}$ inch, \$1.50; by mail, \$1.60.

SPUR WIRE EMBEDDERS

Very convenient in putting in wire. Each, 50c, postpaid.

PARKER FOUNDATION FASTENERS

Holds the sections in place when putting in foundations. Each, 50c; postpaid, 55c.

BEE BOOKS

A. B. C. X. Y. Z. This is the most complete book published and no bee man can afford to be without it. Postpaid, \$3.15 each.

ZINC HONEY BOARDS

No. 11, 8 frame, unbound, 45c; postpaid, 50c.

No. 1, 10 frame, unbound, 50c; postpaid, 55c.

PORTER BEE ESCAPES

The best on the market. Each, 25c, unbound.

BEE ENTRANCE GUARDS

Zinc front, 8 frame. Each, 40c, postpaid.

DRONE TRAPS

Alley's Improved. 8 frame. Each, \$1.00; postpaid; 10 frame, each \$1.10.

BOARDMAN'S FEEDERS

To be used with Mason jar. Price, without jar, 35c; each, postpaid.

The Little Putnam Stove



Patented Dec. 11, 1917

USES OF THE LITTLE PUTNAM STOVE

Used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather.

Used as the heat element for a Putnam home-made-oat-sprouter.

DESCRIPTION OF THE LITTLE PUTNAM STOVE

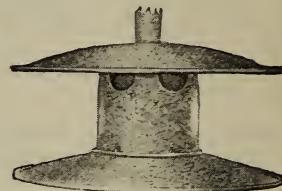
A Little Putnam Stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of the oil. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention. The wick never needs trimming. The stove with any kind of fair usage will last a life-time.

Price of Little Putnam Stove, \$1.95 postpaid.

Putnam Brooder Heater

Easy to make a home-made brooder that will handle 50 to 60 chicks. Fill but once a week. Safe and durable. Free directions how to make your own brooder.

Price, only \$4.75 postpaid.



Soiltex

TEST FOR ACID SOIL

Tells how much lime your soil requires. Very easy to use and accurate and inexpensive.

Enough for about 50 tests in one package.

\$1.00 per package postpaid.

B-K Disinfectant

DISINFECTANT, DEODORANT, CLEANSER

Note These Remarkable Qualities

Powerful. By Government Method of test B-K has over ten times greater germ-killing strength than carbolic acid. Much stronger than coal tar disinfectants—much safer. Safe. B-K contains no poison, acid nor oil.

Clean. B-K is colorless, leaves no stain on floors, walls or utensils. Does not soil animal's hair.

Deodorant. B-K destroys foul odors—leaves no odor of itself.

Cheap to Use. B-K is so strong that much water is used in diluting. One gallon B-K makes 200 to 500 gallons of dilution ready for use according to the purpose.

4-ounce bottles.....	35c	32-ounce bottles.....	\$1.25
10-ounce bottles.....	60c	1-gallon jug	\$3.00
5-gallon carboy.....			\$12.50

Flower Pots

We usually have in stock a complete stock of all the various sizes of Flower Pots, Bulb Pots
Hanging Baskens, etc.

Prices are as follows, on Flower Pots and Bulb Pots:

FLOWER POTS			SAUCERS		
2 inch, each	.02	doz. \$.20	4 inch, each	4c	doz. \$.40
3 inch	.03	doz. .30	5 inch	5c	doz. .50
4 inch	.05	doz. .50	6 inch	8c	doz. .85
5 inch	.08	doz. .85	7 inch	10c	doz. 1.00
6 inch	.12	doz. 1.25	8 inch	15c	doz. 1.50
7 inch	.20	doz. 2.00	9 inch	20c	doz. 2.00
8 inch	.25	doz. 2.50	10 inch	25c	doz. 2.50
9 inch	.45	doz. 5.00	12 inch	35c	doz. 3.50
10 inch	.70	doz. 7.50			
12 inch	1.00	doz. 10.00			

Wire Hanging Baskets, 30c., Postpaid, 45c.

Clay Hanging Baskets, 10 inch, with wire hanger, 90c each.

Rabbit Dishes

Rabbit Feeders, 6 inch, 25c each; 8 inch, 35c each.

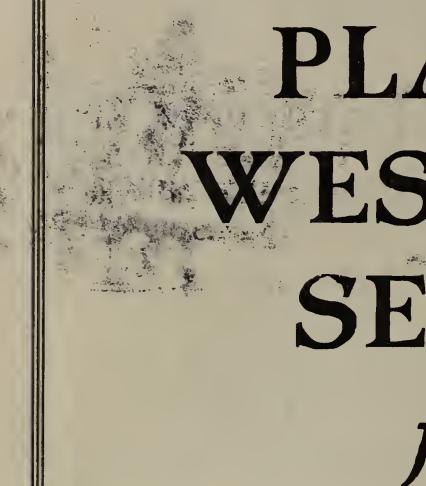
Rabbit Watering Dishes, 6 inch, 25c each; 8 inch, 35c each.

Poultry Stone Foundations

½ Gallon, \$.50

1 gallon, \$.75 each

2 gallon, \$1.50



PLANT WESTERN SEEDS

for

BEST RESULTS

Ladino Clover

This new Mammoth White Clover has proven a wonderful pasture crop. Grows on any kind of land, easy to catch crop, and is a great producer. Grows several times as large as common white clover with the same valuable feeding qualities. We have some Extra Fancy Recleaned Seed.

**Price, \$1.25 per pound postpaid.
Special prices on larger lots.**